

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 12218.1100	SERIAL NO. 09/902,883 11/2001 PCT/US01/2874		
				APPLICANT(S) Ruan et al.			
				FILING DATE July 11, 2001	GROUP		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SJW		4,570,139	02/11/86	Kroll	335	187	
SJW		5,475,353	12/12/95	Roshen, et al.	335	78	
SJW		6,094,116	7/25/00	Tai, et al.	335	78	
SJW		5,472,539	12/05/95	Saia, et al.	156	155	
SJW		5,818,316	10/06/98	Shen, et al.	335	78	
SJW		5,847,631	12/08/98	Taylor, et al.	335	78	
SJW		5,629,918	05/13/97	Ho, et al.	310	40 NM	
SJW		5,398,011	03/14/95	Kimura, et al.	335	79	
SJW		6,016,095	01/18/00	Qiu, et al.	336	175	
SJW		6,143,997	11/07/00	Feng, et al.	200	181	
SJW		6,124,650	09/26/00	Bishop, et al.	310	40 MM	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
SJW		06251684 A	09/09/94	Japan			
SJW		0 780 858 A	06/25/97	EPO			
SJW		97 39468 A	10/23/97	PCT			
SJW		98 34269 A	08/06/98	PCT			
SJW		0 869 519 A	10/07/98	EPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
SJW		William P. Taylor, Oliver Brand, Mark G. Allen, "Fully Integrated Magnetically Actuated Micromachined Relays", Journal of Microelectromechanical Systems, Vol. 7, No. 2, June 1998, pgs. 181-191					
SJW		John A. Wright, Yu Chong Tai, and Shinh Chia Chang, "Large-Force, Fully-Integrated MEMS Magnetic Actuator," 1997 International Conference on Solid-State Sensors, and Actuators, Chicago, June 1997, pgs 793-796					
EXAMINER <i>Sjw</i>				DATE CONSIDERED <i>15 Dec 02</i>			
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ATTY DOCKET NO.
12218.1100

SERIAL NO. 0115
09/902,883

APPLICANT(S)

Ruan et al.

FILING DATE

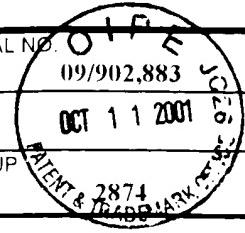
July 11, 2001

GROUP

09/902,883

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U.S. PATENT DOCUMENTS

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

816		Ezekiel J.J. Kruglick and Kristofer S.J. Pister, "Bistable MEMS Relays and Contact Characterization", Hilton Head 98 and 19th International Conference on Electric Contact Phenomena, 5 pgs.
816		Chong H. Ahn and Mark G. Allen, "A Fully Integrated Micromagnetic Actuator With a Multilevel Meander Magnetic Actuator With a Multilevel Meander Magnetic Core", June 1992, IEEE Solid-State Sensor and Actuator Workshop, pgs. 14-17

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 12218.1100		SERIAL NO. 09/902,885		
				APPLICANT(S) Ruan et al.				
				FILING DATE July 11, 2001		GROUP 2874		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
818			John A. Wright and Yu-Chong Tai, "Micro-Miniature Electromagnetic Switches Fabricated Using MEMS Technology", 46th Annual International Relay Conference: NARM '98, April 1998					
818			John A. Wright, Yu-Chong Tai and Gerald Lilienthal, "A Magnetostatic MEMS Switch for DC Brushless Motor Commutation", Solid State Source and Actuator Workshop 1998, June 1998					
EXAMINER <i>Sachin Singh</i>				DATE CONSIDERED <i>15 Dec 02</i>				

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			ATTY DOCKET NO. 12218.1100		SERIAL NO. 09/902,884			
			APPLICANT(S) Ruan, et al.		FILING DATE July 11, 2001		GROUP 2874	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
8718			Laure K. Lagorce, Oliver Brand, and Mark G. Allen, "Magnetic Microactuators Based on Polymer Magnets", IEEE Journal of Microelectromechanical Systems, Vol. 8, No. 1, March 1999, pgs. 2-9					
8718			E. Fullin, J. Gobet, H.A.C. Tilmans, and J. Bergqvist, "A New Basic Technology for Magnetic Micro-Actuators", pgs. 143-147, undated					
EXAMINER <i>Saket Ji Lang</i>			DATE CONSIDERED <i>15/06/01</i>					

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09-902,883
(use as many sheets as necessary)				Filing Date	July 11, 2001
				First Named Inventor	Meichun Ruan
				Art Unit	2874
				Examiner Name	S. Song
				Attorney Docket Number	12218.1100
1 Sheet		of	2		

Examiner Signature	Sarah J. Sing	Date Considered	15 Dec 02
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/902,883
Filing Date	July 11, 2001
First Named Inventor	Meichun Ruan
Group Art Unit	2874
Examiner Name	S. Song
Attorney Docket Number	12218.1100

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner
Signature

sarah m sing

Date
Considered

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